BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

E MEASUREMENT BOOK

1 st & final bill

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
BOQ-1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.								
		Cum							
		Premeasurement recorded on **30-82021** E MB page No- 9 to 12					1464.42		
		Premeasurement recorded on **1-9-2021** E MB page No- 13					294.99		
		Premeasurement recorded on **19-9-2021** E MB page No- 21					10.97		
				Total Qty			1770.38	200.00	354076
BOQ-2	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification complete as per specification with all lead and lift and as per the directions of the Engineer incharge								
		Cum							
		Premeasurement recorded on **3-9-2021** E MB page No- 14					37.66		
		Premeasurement recorded on **20-9-2021** E MB page No- 22					15.71		
				Total Qty			53.37	3500.0	186795 186785
BOQ-3	Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & botton thickness 15cm complete as per specification with all lead and lift and as per the directions of the Engineer incharge								
		Cum							
		Premeasurement recorded on **14-9-2021** E MB page No- 18					45.12		
		Premeasurement recorded on **28-9-2021** E MB page No- 28-29					112.83		

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
				Total Qty			157.96	6000.0	947760 (947744)
BOQ-4	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar & edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13- do - with cement mortar 1:6complete as per specification with all lead and lift and as per the directions of the Engineer incharge.								
		Cum							
		Not Executed					0.00	4000.0	0
BOQ-5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.								
		Tonne							
	E	Premeasurement recorded on 10-8-2021 MB page No- 6-7				E	12.58		
	G	Premeasurement recorded on 11-8-2021 MB page No- 8				E	1.09		
	A	Premeasurement recorded on 4-9-2021 MB page No- 15				E	4.54		
	B	Premeasurement recorded on 5-9-2021 MB page No- 16				E	1.67		
	C	Premeasurement recorded on **6-9-2021** MB page No-17				E	1.05		
	D	Premeasurement recorded on **18-9-2021** MB page No- 20				E	0.12		
	F	Premeasurement recorded on **21-9-2021** MB page No- 23 & 24				E	3.30		
				Total Qty			26.68		
		Up to 125%					17.48	65000.00	1136200 (1135875)
		Above 125%					6.87	64134.48	440283 (440604)
BOQ-6	Providing & fixing Precast RCC slab of 100mm thick for drain in cement concrete 1:1:5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work lift charges, curing and concrete finished surface on both side etc complete as per specification with all lead and lift and as per the directions of the Engineer incharge								
		Sqm							
	3rd cross road		1	26.40	0.90		23.76		
	4rd cross road		1	10.20	0.90		9.18		
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	0.90		27.00		
			1	13.50	0.90		12.15		

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
			1	10.70	0.90		9.63		
			1	16.70	0.90		15.03		
			1	9.90	0.90		8.91		
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	0.90		17.37		
			1	9.40	0.90		8.46		
			1	21.00	0.90		18.90		
	6 th cross								
	South side		1	18.00	0.90		16.20		
	North side		1	12.00	0.90		10.80		
	Manjunatha nagara main road from Anganawadi towards North Left side		1	11.20	0.90		10.08		
	Broken slabs for all cross roads		136	0.60	0.90		73.44		
				Total Qty			**260.91**	1500.0	391365
BOQ-7	Providing & Fixing Precast RCC slab of 250mm thick for culverts made of plain/reinforced cement concrete desigh mix M25 with OPC @ 440 Kgs with 20mm and down size graded granite metal course aggregates @ 0.70 cum and fine aggregates @ 0.42 cum. with super plasticizer @ 3lts confirming to 189103-1999 Reaffirmed-2008m open foundation complete as per drawing and technical specification including cost of all materials, Labour, HOM curing form works, scaffoiding and centering complete as per specification and pointing for joints 1:3 cement mortor including form work. lift charges, curing and concrete finished surfacess on both sides etc., complete and as per the direction of Engineer in- Charge								
		Sqm							
	3 rd Cross road		1	8.20	1.20		9.84		
	Dananjaya house		1	3.75	1.20		4.50		
	Basavaraj house		1	6.20	1.20		7.44		
	Right side		1	6.30	1.20		7.56		
	4 th cross		1	5.00	1.20		6.00		
	5 th cross		1	3.20	1.50		4.80		
			2	1.20	0.60		1.44		
				Total Qty			**41.58**	4000.0	166320
BOQ-8	Removing and resetting of footpath slab complete as per specification with all lead and lift and as per the directions of the Engineer incharge.								
		Sqm							
	Desilting of drain								
	Manjunatha nagara 1 st cross								
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	2.00		0.90	3.60		
			1	30.00		0.90	27.00		
			1	30.00		0.90	27.00		
			1	6.00		0.90	5.40		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			4	24.00		0.90	86.40		
	Manjunatha nagara 2 nd cross								
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	22.00		0.90	39.60		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	6.00		0.90	10.80		
			2	30.00		0.90	54.00		

EXECUTIVE ENGINEER Bharat Bangalore Mahanagara Palike Dasarahalli Division Bangalore-73

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			6	24.00		0.90	129.60		
	Manjunatha nagara 3 rd cross								
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	22.00		0.90	39.60		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	6.00		0.90	10.80		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			2	22.00		0.90	39.60		
			6	24.00		0.90	129.60		
	Manjunatha nagara 4th cross								
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	22.00		0.90	39.60		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	6.00		0.90	10.80		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			2	22.00		0.90	39.60		
			6	24.00		0.90	129.60		
	Manjunatha nagara 5th cross								
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	26.00		0.90	46.80		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			1	22.00		0.90	19.80		
	Manjunatha nagara 6th cross		6	24.00		0.90	129.60		
			1	30.00		0.90	27.00		
			1	30.00		0.90	27.00		
			1	7.00		0.90	6.30		
			1	12.00		0.90	10.80		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	6.00		0.90	10.80		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	27.00		0.90	48.60		
			2	27.00		0.90	48.60		
	Manjunatha nagara 7th cross		4	24.00		0.90	86.40		
	Dananjaya house east side drain		2	67.00		0.90	120.60		
	6 th cross		1	39.00		0.90	35.10		
	South side								
	North side		1	30.00		0.90	27.00		
	Manjunatha nagara main road from Anganawadi towards North Left side		1	25.50		0.90	22.95		
	End		2	11.20		0.90	20.16		
	Opposite temple								
	Opposite temple south side		2	4.80		0.90	8.64		

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
	Opposite temple North side		2	11.20		0.90	20.16		
							3504.51	160.0	560722
BOQ-9 8	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications								
	Qty Vide Item No.1	**Cum**							
			Qty as per Item No 1(B)/2				1464.42		
			Deduct 15 % shrinkage				219.66		
							1244.76		
			Qty as per Item No 1(A)				305.96		
			Qty as per Item No E-2				31.35		
			Qty as per Item No E-3				436.37		
			Total Qty				**2018.44**	180.0	363319
BOQ-10	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)complete as per specification and directions of the Engineer incharge.								
		Cum							
	Road								
			1	5.50	4.00	0.15	3.30		
			1	8.80	3.10	0.15	4.09		
							7.39	4000.0	29560
EIRL ITEM -1	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete P27/5.30								
		No							
	3rd cross road		1	26.40			26.40		
	4rd cross road		1	10.20			10.20		
	Manjunatha nagara main road from Anganawadi towards North Lefft side		1	30.00			30.00		
			1	13.50			13.50		
			1	10.70			10.70		
			1	16.70			16.70		

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
			1	9.90			9.90		
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30			19.30		
			1	9.40			9.40		
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00			21.00		
			1	30.00			30.00		
			1	25.50			25.50		
	Manjunatha nagara main road L/S (cement)		1	11.20			11.20		
	6 th cross								
	Opposite temple		1	4.00			4.00		
	Opposite temple south side		1	4.80			4.80		
	Opposite temple North side		1	11.20			11.20		
	Opposite Dananjaya house		1	9.80			9.80		
			1	8.20			8.20		
				-		0.45	271.80		
						Qty	604.00	365.88	220990
EIRL ITEM - 2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications KSRRB M200-12.3. –do– C. Prestressed / Reinforced cement concrete grade M-20 above P 140/18.19								
		Cum							
		Premeasurement recorded on 2-8-2021 E MB page No- 1					19.93		
		Premeasurement recorded on 30-8-2021 E MB page No- 12					11.42		
				Total Qty			31.35	1424.95	44672
3 EIRL ITEM	KSRRB 2100-5 Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring strutting wherever necessary watering and ramming including cost of all materials, labour, HOM complete as per specifications MORTH Chapter 12(221/27.11)								
		Cum							
		Premeasurement recorded on 5-8-2021 E MB page No- 3					504.48		
	Deduct	Premeasurement recorded on 3-8-2021 E MB page No- 2					68.11		
						Net Qty	436.37	808.88	358941 352970
4 EIRL ITEM	KSRB 2.8 Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 (7/2.15)								
		Cum							
		Premeasurement recorded on 6-9-2021 E MB page No- 17					58.22		

	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
		Premeasurement recorded on 22-9-2021 E MB page No- 25					12.27		
						Net Qty	70.49	2178.23	153543
EIRL ITEM	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (13/4.3)								
		Cum							
		Premeasurement recorded on 9-8-2021 E MB page No- 5					21.94		
		Premeasurement recorded on 23-9-2021 E MB page No- 26					7.39		
						Net Qty	29.33	4577.06	134245
6 EIRL ITEM	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (14/4.12)								
		Cum							
		Premeasurement recorded on 1-9-2021 E MB page No- 13 A					90.14		
		Premeasurement recorded on 14-9-2021 E MB page No- 18,19					54.69		
		Premeasurement recorded on 22-9-2021 E MB page No- 25					38.22		
						Net Qty	183.05	5420.91	992298
7 EIRL ITEM	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.								
		Sqm							
		Premeasurement recorded on 24-9-2021 E MB page No- 27					627.87		
						Net Qty	627.87	321.04	201571
8 EIRL ITEM	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. P7/2.12								

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount
		Cum							
		Premeasurement recorded on 20-9-2021 E MB page No- 22					30.43		
						Net Qty	30.43	361.39	10997
9 EIRL ITEM	KSRB 12-4 : Providing and laying in position plain cement concrete of M - 7.5 using 40mm and down size graded granite / trap metal for surrounded encasing internal diameter stoneware pipes, concrete machine mixed well compacted including cost of materials, labour charges, form work, HOM curing complete as per specifications. Specification No. KBS 4.1 / 4.2 300mm P73/11.32								
		Mtr							
	For diversion of sanitory water		1	6.00			6.00		
			1	4.00			4.00		
						Qty	10.00	1276.09	12761
							Total Amt		6700098
							12% GST		804012
								Total Rs	7504110

6700770
804092
7504862

11/10/21
Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Measurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

EIRL ITEM -2

KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications KSRRB M200-12.3. –do– C. Prestressed / Reinforced cement concrete grade M-20 above P 140/18.19

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Cum					
	Culvert deck slab						
	3 rd Cross road		1	8.20	1.50	0.25	3.08
	Dananjaya house		1	7.00	1.50	0.30	3.15
			1	3.00	1.20	0.23	0.83
			1	3.75	2.70	0.15	1.52
			1	7.60	1.50	0.25	2.85
	Right side		1	6.60	1.50	0.25	2.48
	4 th cross		1	5.00	1.50	0.25	1.88
	5 th cross		1	6.90	2.10	0.25	3.62
			1	1.80	1.20	0.25	0.54
						Qty	19.93

02/08/21

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Remeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

3 EIRL ITEM	KSRRB 2100-5. Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring strutting wherever necessary watering and ramming including cost of all materials, labour, HOM complete as per specifications MORTH Chapter 12(221/27.11)

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Cum					
	Existing drain		1	30.00	1.20	1.20	43.20
			1	17.30	1.20	1.20	24.91
						Qty	68.11

Assistant Engineer
W-14
09/08/21

Assistant Executive Engineer
Dasarahalli Sub-Division
09/08/2021

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

3 EIRL ITEM	KSRRB 2100-5. Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring strutting wherever necessary watering and ramming including cost of all materials, labour, HOM complete as per specifications MORTH Chapter 12(221/27.11)

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Cum					
	Ch 0.00 to 13.50 mtr		1	13.50	3.50	2.30	108.67
	Ch 13.50 to 19.00 mtr		1	5.50	2.30	2.30	29.09
	Ch 19.00 to 25.70 mtr		1	6.70	3.50	2.30	53.93
	Ch 25.70 to 37.35 mtr		1	11.65	3.80	2.30	101.82
	Ch 37.35 to 48.3 mtr		1	10.95	3.80	2.30	95.70
	End connection						
			1	6.20	1.60	1.30	12.89
	North connection						
			1	6.80	2.00	1.50	20.40
	D/S Lead drain						
			1	61.00	1.50	0.90	82.35
						Qty	504.85

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

4 EIRL ITEM	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 (7/2.15)

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Cum					
	Ch 0.00 to 13.50 mtr		1	13.50	2.65	0.45	16.09
	Ch 13.50 to 19.00 mtr		1	5.50	2.30	0.45	5.69
	Ch 19.00 to 25.70 mtr		1	6.70	2.65	0.45	7.98
	Ch 25.70 to 37.35 mtr		1	11.65	2.80	0.45	14.67
	Ch 37.35 to 48.3 mtr		1	10.95	2.80	0.45	13.79
						Qty	58.22

06/08/21

Assistant Engineer
W-14

06/08/2021

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (E):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	For Roft							
	Ch 0.00 to 13.50 mtr							
	12	1	136	2.80	380.80	Main rod bottom	0.89	338.91
	12	1	136	2.80	380.80	Main rod top	0.89	338.91
	12	2	90	2.00	360.00	L bar	0.89	320.40
	10	2	17	13.50	459.00	Distribution Bar	0.61	279.99
	12	1	35	1.20	42.00	Chair	0.89	0.89
	For wall							
	12	2	136	3.20	870.40	Main rod outer	0.89	774.66
	12	2	136	3.20	870.40	Main rod inner	0.89	774.66
	10	4	18	13.50	972.00	Distribution Bar	0.61	592.92
	12	1	18	1.20	21.60	U bar	0.89	19.22
	Ch 13.50 to 19.00 mtr							
	12	1	56	2.60	145.60	Main rod bottom	0.89	129.58
	12	1	56	2.60	145.60	Main rod top	0.89	129.58
	12	2	23	2.00	92.00	L bar	0.89	81.88
	10	2	16	5.50	176.00	Distribution Bar	0.61	107.36
	12	1	35	1.20	42.00	Chair	0.89	37.38
	For wall				0.00			0.00
	12	2	55	3.20	352.00	Main rod outer	0.89	313.28
	12	2	56	3.20	358.40	Main rod inner	0.89	318.98
	10	4	18	5.50	396.00	Distribution Bar	0.61	241.56
	12	1	18	1.20	21.60	U bar	0.89	19.22
	Ch 19.00 to 25.70 mtr							
	12	1	67	2.80	187.60	Main rod bottom	0.89	166.96
	12	1	67	2.80	187.60	Main rod top	0.89	166.96
	12	2	41	2.00	164.00	L bar	0.89	145.96
	10	2	17	6.70	227.80	Distribution Bar	0.61	138.96
	12	1	35	1.20	42.00	Chair	0.89	37.38
	For wall							
	12	2	66	3.20	422.40	Main rod outer	0.89	375.94
	12	2	67	3.20	428.80	Main rod inner	0.89	381.63
	10	4	18	6.70	482.40	Distribution Bar	0.61	294.26
	12	1	34	1.20	40.80	U bar	0.89	36.31
	Ch 25.70 to 37.35 mtr							
	12	1	116	3.00	348.00	Main rod bottom	0.89	309.72
	12	1	116	3.00	348.00	Main rod top	0.89	309.72
	12	2	70	2.00	280.00	L bar	0.89	249.20
	10	2	18	11.65	419.40	Distribution Bar	0.61	255.83
	12	1	35	1.20	42.00	Chair	0.89	37.38
	For wall				0.00			0.00
	12	2	116	3.20	742.40	Main rod outer	0.89	660.74
	12	2	115	3.20	736.00	Main rod inner	0.89	655.04

	10	4	18	11.65	838.80	Distribution Bar	0.61	511.67
	12	1	30	1.20	36.00	U bar	0.89	32.04
	Ch 37.35 to 48.3 mtr						0.89	269.67
	12	1	101	3.00	303.00	Main rod bottom	0.89	272.34
	12	1	102	3.00	306.00	Main rod top	0.89	231.40
	12	2	65	2.00	260.00	L bar	0.61	239.36
	10	2	18	10.90	392.40	Distribution Bar	0.89	32.04
	12	1	30	1.20	36.00	Chair		0.00
	For wall				0.00		0.89	580.99
	12	2	102	3.20	652.80	Main rod outer	0.89	580.99
	12	2	102	3.20	652.80	Main rod inner	0.61	511.67
	10	4	18	11.65	838.80	Distribution Bar	0.89	27.77
	10	1	26	1.20	31.20	U bar	0.89	102.53
	12	2	18	3.20	115.20	Main rod outer	0.89	102.53
	12	2	18	3.20	115.20	Main rod inner	0.61	35.14
	10	4	6	2.40	57.60	Distribution Bar	0.89	6.41
	12	1	6	1.20	7.20	U bar	Qty	12577.93
							Tonne	12.58

10/08/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (G):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	End connection							
	12	1	60	1.40	84.00	Main rod bottom	0.89	74.76
	12	1	30	1.40	42.00	Main rod top	0.89	37.38
	10	2	8	6.20	99.20	Distribution Bar	0.61	60.51
	12	1	4	1.20	4.80	Chair	0.89	0.89
	For wall							
	12	1	41	1.90	77.90	Main rod outer	0.89	69.33
	12	1	41	2.00	82.00	Main rod inner	0.89	72.98
	10	2	7	6.20	86.80	Distribution Bar	0.61	52.95
	12	1	8	1.20	9.60	U bar	0.89	8.54
	North connection							
	12	1	43	1.40	60.20	Main rod bottom	0.89	53.58
	12	1	46	1.40	64.40	Main rod top	0.89	57.32
	10	2	8	6.80	108.80	Distribution Bar	0.61	66.37
	12	1	4	1.20	4.80	Chair	0.89	0.89
	For wall							
	12	2	45	2.30	207.00	Main rod outer	0.89	184.23
	12	2	45	2.30	207.00	Main rod inner	0.89	184.23
	10	4	9	6.80	244.80	Distribution Bar	0.61	149.33
	12	1	16	1.20	19.20	U bar	0.89	17.09
							Qty	1090.37
							Tonne	1.09

Assistant Engineer 1/08/21
W-14

Assistant Executive Engineer 1/08/2021
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-1 KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.

Particulars of Item	Unit	No.s	L	B	D	Qty
Desilting	Cum					
Manjunatha nagara 1 st cross						
2 nd cross to 3 rd cross South		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
2 nd cross to 3 rd cross North		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
3rd cross to 4th cross North		1	30.00	0.60	(.70+.80+.75)3	13.50
		1	30.00	0.60	(.75+.80+.70)3	13.50
		1	6.00	0.60	(.70+.80+.75)3	2.70
4 th cross to 5th cross South		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
4 th cross to 5th cross North		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
5 th cross to Dead end		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.10	0.60	(.50+.60+.55)/3	7.95
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	23.90	0.60	(.50+.60+.55)/3	7.89
Manjunatha nagara 2 nd cross						
2 nd cross to 3 rd cross south		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
2 nd cross to 3 rd cross north		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	22.00	0.60	(.55+.60+.50)/3	7.26
3rd cross to 4th cross south		1	30.00	0.60	(.60+.65+.55)/3	10.80
		1	30.00	0.60	(.55+.65+.60)/3	10.80
		1	6.00	0.60	(.60+.65+.55)/3	2.16
3rd cross to 4th cross north		1	30.00	0.60	(.60+.65+.55)/3	10.80
		1	30.00	0.60	(.55+.65+.60)/3	10.80
		1	6.00	0.60	(.60+.65+.55)/3	2.16
4 th cross to 5th cross south		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
4 th cross to 5th cross north		1	30.00	0.60	(.55+.60+.50)/3	9.90
		1	30.00	0.60	(.50+.60+.55)/3	9.90
		1	27.00	0.60	(.55+.60+.50)/3	8.91
5 th cross to Dead end		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92
		1	24.00	0.60	(.50+.60+.55)/3	7.92

	Manjunatha nagara 3 rd cross						
	2 nd cross to 3 rd cross south		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	22.00	0.60	(.50+.60+.55)/3	7.26
	2 nd cross to 3 rd cross north		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	22.00	0.60	(.50+.60+.55)/3	7.26
	3rd cross to 4th cross south		1	30.00	0.60	(.60+.65+.55)/3	10.80
			1	30.00	0.60	(.55+.65+.60)/3	10.80
			1	6.00	0.60	(.60+.65+.55)/3	2.16
	3rd cross to 4th cross north		1	30.00	0.60	(.60+.65+.55)/3	10.80
			1	30.00	0.60	(.55+.65+.60)/3	10.80
			1	6.00	0.60	(.60+.65+.55)/3	2.16
	4 th cross to 5th cross south north		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	27.00	0.60	(.50+.60+.55)/3	8.91
	4 th cross to 5th cross		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	27.00	0.60	(.50+.60+.55)/3	8.91
	5 th cross to Dead end south		1	22.00	0.60	(.50+.60+.55)/3	7.26
	5 th cross to Dead end north		1	22.00	0.60	(.50+.60+.55)/3	7.26
	Between cross roads		1	24.00	0.60	(.50+.60+.55)/3	7.92
			1	24.00	0.60	(.50+.60+.55)/3	7.92
			1	24.00	0.60	(.50+.60+.55)/3	7.92
			1	24.00	0.60	(.50+.60+.55)/3	7.92
			1	24.00	0.60	(.50+.60+.55)/3	7.92
			1	24.00	0.60	(.50+.60+.55)/3	7.92
	Manjunatha nagara 4th cross						
	2 nd cross to 3 rd cross south		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	22.00	0.60	(.50+.60+.55)/3	7.26
	2 nd cross to 3 rd cross north		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	22.00	0.60	(.50+.60+.55)/3	7.26
	3rd cross to 4th cross south		1	30.00	0.60	(.70+.80+.75)3	13.50
			1	30.00	0.60	(.75+.80+.70)3	13.50
			1	6.00	0.60	(.70+.80+.75)3	2.70
	3rd cross to 4th cross north		1	30.00	0.60	(.70+.80+.75)3	13.50
			1	30.00	0.60	(.75+.80+.70)3	13.50
			1	6.00	0.60	(.70+.80+.75)3	2.70
	4 th cross to 5th cross south		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	27.00	0.60	(.50+.60+.55)/3	8.91
	4 th cross to 5th cross north		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	27.00	0.60	(.50+.60+.55)/3	8.91
	5 th cross to Dead end		1	22.00	0.60	(.55+.60+.50)/3	7.26
	5 th cross to Dead end		1	22.00	0.60	(.55+.60+.50)/3	7.26
	Between cross roads		1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
	Manjunatha nagara 5th cross						
	Dead end to 3 rd cross south		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	7.00	0.60	(.50+.60+.55)/3	2.31
	Dead end to 3 rd cross north		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	7.00	0.60	(.50+.60+.55)/3	2.31

	3rd cross to 4th cross south		1	30.00	0.60	(.70+.80+.75)3	13.50
			1	30.00	0.60	(.75+.80+.70)3	13.50
	3rd cross to 4th cross north		1	6.00	0.60	(.70+.80+.75)3	2.70
			1	30.00	0.60	(.70+.80+.75)3	13.50
			1	30.00	0.60	(.75+.80+.70)3	13.50
	4 th cross to 5th cross south		1	6.00	0.60	(.70+.80+.75)3	2.70
			1	30.00	0.60	(.70+.80+.75)3	13.50
			1	30.00	0.60	(.75+.80+.70)3	13.50
	4 th cross to 5th cross north		1	27.00	0.60	(.70+.80+.75)3	12.15
			1	30.00	0.60	(.70+.80+.75)3	13.50
			1	30.00	0.60	(.75+.80+.70)3	13.50
	5 th cross to Dead end		1	27.00	0.60	(.70+.80+.75)3	12.15
	Between cross roads		1	22.00	0.60	(1.10+.90+1.00)/3	13.20
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
			1	24.00	0.60	(.55+.60+.50)/3	7.92
	Manjunatha nagara 6th cross						
	2 nd cross to 3 rd cross south		1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
	2 nd cross to 3 rd cross north		1	7.00	0.60	(.50+.45+.55)/3	2.10
	3rd cross to 4th cross south		1	12.00	0.60	(.55+.60+.50)/3	3.96
			1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.00
	3rd cross to 4th cross north		1	6.00	0.60	(.50+.55+.45)/3	1.80
			1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.00
	4 th cross to 5th cross south		1	6.00	0.60	(.50+.55+.45)/3	1.80
			1	30.00	0.60	(.45+.55+.50)/3	9.00
			1	30.00	0.60	(.50+.55+.45)/3	9.00
	4 th cross to 5th cross north		1	27.00	0.60	(.45+.55+.50)/3	8.10
			1	30.00	0.60	(.45+.55+.50)/3	9.00
			1	30.00	0.60	(.50+.55+.45)/3	9.00
	5 th cross to Dead end		1	27.00	0.60	(.45+.55+.50)/3	8.10
	5 th cross to Dead end		1	27.00	0.60	(.50+.55+.45)/3	8.10
	Between cross roads		1	27.00	0.60	(.50+.55+.45)/3	8.10
			1	24.00	0.60	(.45+.55+.50)/3	7.92
			1	24.00	0.60	(.45+.55+.50)/3	7.92
			1	24.00	0.60	(.45+.55+.50)/3	7.92
			1	24.00	0.60	(.45+.55+.50)/3	7.92
	In side Coffee day godown						
			1	30.00	0.60	(.45+.55+.50)/3	9.90
			1	30.00	0.60	(.50+.55+.45)/3	9.90
			1	20.00	0.60	(.45+.55+.50)/3	6.60
	Manjunatha nagara 7th cross						
	4 th cross to 5th cross		1	30.00	1.20	(0.90+090)/2	32.40
			1	30.00	1.20	(0.90+090)/2	32.40
			1	21.00	1.20	(0.90+090)/2	22.68
			1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	7.00	0.60	(.50+.60+.55)/3	2.31

			1	30.00	0.60	(.50+.60+.55)/3	9.90
			1	30.00	0.60	(.55+.60+.50)/3	9.90
			1	7.00	0.60	(.50+.60+.55)/3	2.31
	Dananjaya house east side drain						
			1	30.00	0.60	(.50+.45+.55)/3	9.00
			1	9.00	0.60	(.55+.50+.45)/3	2.70
	Culverts						
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	5.80	0.60	(.55+.50+.45)/3	1.74
			1	6.20	0.60	(.55+.50+.45)/3	1.86
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	5.90	0.60	(.55+.50+.45)/3	1.77
			1	6.10	0.60	(.55+.50+.45)/3	1.83
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	5.80	0.60	(.55+.50+.45)/3	1.74
			1	6.00	0.60	(.55+.50+.45)/3	1.80
			1	6.20	0.60	(.55+.50+.45)/3	1.86
	6 th cross						
	South side		1	30.00	0.60	(.55+.50+.45)/3	9.00
	North side		1	25.50	0.60	(.55+.60+.50)/3	8.42
	Manjunatha nagara main road from Anganawadi towards North Left side End		1	25.60	0.60	(.55+.60+.50)/3	8.45
	Opposite temple						
	Opposite temple south side		1	4.80	0.60	(.75+.80+.70)3	2.16
	Opposite temple North side		1	11.20	0.60	(.70+.80+.75)3	5.04
						Qty	1464.42

EIRL ITEM -2

KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications KSRRB M200-12.3. –do– C. Prestressed / Reinforced cement concrete grade M-20 above P 140/18.19

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
	For kerb	No					
	3rd cross road		1	26.40	0.30	0.15	1.19
	4rd cross road		1	10.20	0.30	0.15	0.46
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	0.30	0.15	1.35
			1	13.50	0.30	0.15	0.61
			1	10.70	0.30	0.15	0.48
			1	16.70	0.30	0.15	0.75
			1	9.90	0.30	0.15	0.45
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	0.30	0.15	0.87
			1	9.40	0.30	0.15	0.42
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	0.30	0.15	0.95
			1	30.00	0.30	0.15	1.35
			1	25.50	0.30	0.15	1.15
	Manjunatha nagara main road from Anganawadi towards North Left side		1	11.20	0.30	0.15	0.50
	6 th cross						
	Opposite temple		1	4.00	0.30	0.15	0.18
	Opposite temple south side		1	4.80	0.30	0.15	0.22
	Opposite temple North side		1	11.20	0.30	0.15	0.50
						Qty	11.42

Assistant Engineer 30/09/24
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-1 KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.

Sl No	Particulars of item	Unit	No.s	L	B	D	Qty
		Cum					
	For new drain						
	3rd cross road						
	5th cross road		1	26.40	1.10	1.00	29.04
	Manjunatha nagara main road from Anganawadi towards North Left side		1	10.20	1.10	1.00	11.22
			1	30.00	1.10	1.00	33.00
			1	13.50	1.10	1.00	14.85
			1	10.70	1.10	1.00	11.77
			1	16.70	1.10	1.00	18.37
	Manjunatha nagara main road from Anganawadi towards North Right side		1	9.90	1.10	1.00	10.89
			1	19.30	1.10	1.00	21.23
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	9.40	1.10	1.00	10.34
			1	21.00	1.35	1.40	39.69
	For Culvert						
	3 rd Cross road						
	Dananjaya house		1	8.20	1.60	1.20	15.74
	Basavaraj house		1	3.75	1.60	1.60	9.60
	Right side		1	7.60	1.60	1.20	14.59
	4 th cross		1	6.60	1.60	1.50	15.84
	5 th cross		1	5.50	1.60	1.20	10.56
			1	6.90	2.10	1.95	28.26
						Qty	294.99

6 EIRL ITEM KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (14/4.12)

	Wall						
	Ch 0.00 to 13.50 mtr		1	13.50	0.38	2.00	10.12
			1	13.50	0.60	2.00	16.20

Ch 13.50 to 19.00 mtr	1	5.50	0.38	2.00	4.12
	1	5.50	0.60	2.00	6.60
Ch 19.00 to 25.70 mtr	2	6.70	0.38	2.00	10.05
Ch 25.70 to 37.35 mtr	2	11.65	0.38	2.00	17.47
Ch 37.35 to 48.3 mtr	2	10.95	0.38	2.00	16.42
End connection					
	1	6.20	0.30	1.20	2.23
North connection					
	2	6.80	0.30	1.70	6.93
				Qty	90.14

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-57

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-2

KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification complete as per specification with all lead and lift and as per the directions of the Engineer incharge

	Particulars of item	Unit	No.s	L	B	D	Qty
		Cum					
	New drain						
	3rd cross road		1	26.40	1.10	0.15	4.36
	4rd cross road		1	10.20	1.10	0.15	1.68
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	1.10	0.15	4.95
			1	13.50	1.10	0.15	2.23
			1	10.70	1.10	0.15	1.77
			1	16.70	1.10	0.15	2.76
			1	9.90	1.10	0.15	1.63
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	1.10	0.15	3.18
			1	9.40	1.10	0.15	1.55
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	1.20	0.15	3.78
	For Culvert						
	3 rd Cross road		1	8.20	1.60	0.15	1.97
	Dananjaya house		1	3.75	1.60	0.15	0.90
	Basavaraj house		1	7.60	1.60	0.15	1.82
	Right side		1	6.60	1.60	0.15	1.58
	4 th cross		1	5.50	1.60	0.15	1.32
	5 th cross		1	6.90	2.10	0.15	2.17
						Qty	37.66

09/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (A):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 — Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	U shape drain							
	3rd cross road							
1	10	1	265	2.15	569.75	U bar Main rod	0.61	347.55
2	8	1	15	26.40	396.00	Distribution Bar	0.39	154.44
	4rd cross road							
3	10	1	103	2.15	221.45	U bar Main rod	0.61	135.08
4	8	1	15	10.20	153.00	Distribution Bar	0.39	59.67
	Manjunatha nagara main road from Anganawadi towards North Left side							
5	10	1	301	2.15	647.15	U bar Main rod	0.61	394.76
6	8	1	15	30.00	450.00	Distribution Bar	0.39	175.50
7	10	1	136	2.15	292.40	U bar Main rod	0.61	178.36
8	8	1	15	13.50	202.50	Distribution Bar	0.39	78.98
9	10	1	108	2.15	232.20	U bar Main rod	0.61	141.64
10	8	1	15	10.70	160.50	Distribution Bar	0.39	62.60
11	10	1	168	2.15	361.20	U bar Main rod	0.61	220.33
12	8	1	15	16.70	250.50	Distribution Bar	0.39	97.70
13	10	1	100	2.15	215.00	U bar Main rod	0.61	131.15
14	8	1	15	9.90	148.50	Distribution Bar	0.39	57.92
	Manjunatha nagara main road from Anganawadi towards North Right side							
15	10	1	194	2.15	417.10	U bar Main rod	0.61	254.43
16	8	1	15	19.30	289.50	Distribution Bar	0.39	112.91
17	10	1	95	2.15	204.25	U bar Main rod	0.61	124.59
18	8	1	15	9.40	141.00	Distribution Bar	0.39	54.99
	Manjunatha nagara main road from Anganawadi towards North Right side End							
19	10	2	211	2.75	1160.50	U bar Main rod	0.61	707.91
20	8	2	35	21.00	1470.00	Distribution Bar	0.39	573.30
	6 th cross							
21	10	2	280	0.45	252.00	U bar Main rod	0.61	153.72
22	8	2	2	30.00	120.00	Distribution Bar	0.39	46.80
23	10	2	250	0.45	225.00	U bar Main rod	0.61	137.25
24	8	2	2	25.00	100.00	Distribution Bar	0.39	39.00
	Opposite temple south side							
25	10	2	40	0.45	36.00	U bar Main rod	0.61	21.96
26	8	2	2	4.80	19.20	Distribution Bar	0.39	7.49
	Opposite temple North side							
27	10	2	90	0.45	81.00	U bar Main rod	0.61	49.41
28	8	2	2	11.20	44.80	Distribution Bar	0.39	17.47
							Qty	4536.90
							Tonne	4.54

Assistant Engineer
W-14
04/09/24

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (B):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	Culvert							
	3 rd Cross road							
	10	2	82	2.50	410.00	U bar Main rod	0.61	250.10
	10	1	30	8.20	246.00	Distribution Bar	0.61	150.06
	Dananjaya house				0.00			
	10	2	37	3.30	244.20	U bar Main rod	0.61	148.96
	10	1	38	3.70	140.60	Distribution Bar	0.61	85.77
	Basavaraj house				0.00			
	10	2	76	2.50	380.00	U bar Main rod	0.61	231.80
	10	1	30	7.60	228.00	Distribution Bar	0.61	139.08
	Right side				0.00			
	10	2	66	3.10	409.20	U bar Main rod	0.61	249.61
	10	1	38	6.60	250.80	Distribution Bar	0.61	152.99
	4 th cross				0.00			
	10	2	54	2.50	270.00	U bar Main rod	0.61	164.70
	10	1	30	5.40	162.00	Distribution Bar	0.61	98.82
							Qty	1671.89
							Tonne	1.67

05/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (C):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	5 th cross							
	For Roft							
	12	1	69	2.40	165.60	Main rod bottom	0.89	147.38
	12	1	35	2.40	84.00	Main rod top	0.89	74.76
	12	2	34	2.00	136.00	L bar	0.89	121.04
	10	2	14	6.90	193.20	Distribution Bar	0.61	117.85
	10	1	9	1.20	10.80	Chair	0.61	6.59
	For wall				0.00			0.00
	12	2	47	2.40	225.60	Main rod outer	0.89	200.78
	12	2	47	2.40	225.60	Main rod inner	0.89	200.78
	10	4	10	6.90	276.00	Distribution Bar	0.61	168.36
	10	1	16	1.20	19.20	U bar	0.61	11.71
							Qty	1049.26
							Tonne	1.05

06/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

5 EIRL ITEM	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (13/4.3)

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Cum					
	Ch 0.00 to 13.50 mtr		1	13.50	2.65	0.15	5.36
	Ch 13.50 to 19.00 mtr		1	5.50	2.30	0.15	1.89
	Ch 19.00 to 25.70 mtr		1	6.70	2.65	0.15	2.66
	Ch 25.70 to 37.35 mtr		1	11.65	2.80	0.15	4.89
	Ch 37.35 to 48.3 mtr		1	10.95	2.80	0.15	4.59
	End connection						
				20.	1.10	0.15	1.02
	North connection						
			1.2	0.80	1.50	0.15	1.53
						Qty	21.94

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

5 EIRL ITEM	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (13/4.3)

S No	Particulars of Item	Unit	No.s	L	B	D	Qty
	Road						
			1	5.50	4.00	0.15	3.30
			1	8.80	3.10	0.15	4.09
						Qty	7.39

23/09/24

Assistant Engineer
W-14

23/09/2024

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-3

Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & botton thickness 15cm complete as per specification with all lead and lift and as per the directions of the Engineer incharge

	Particulars of Item	Unit	No.s	L	B	D	Qty
	Bed	Cum					
	New drain						
	3rd cross road		1	26.40	1.00	0.15	3.96
	4rd cross road		1	10.20	1.00	0.15	1.53
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	1.00	0.15	4.50
			1	13.50	1.00	0.15	2.03
			1	10.70	1.00	0.15	1.61
			1	16.70	1.00	0.15	2.51
			1	9.90	1.00	0.15	1.49
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	1.00	0.15	2.90
			1	9.40	1.00	0.15	1.41
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	1.10	0.20	4.62
	For Culvert						
	3 rd Cross road		1	8.20	1.50	0.30	3.69
	Dananjaya house		1	3.75	1.50	0.30	1.69
	Basavaraj house		1	7.60	1.50	0.30	3.42
	Right side		1	6.60	1.50	0.30	2.97
	4 th cross		1	5.50	1.50	0.30	2.48
	5 th cross		1	6.90	2.10	0.30	4.35
						Qty	45.12

6 EIRL ITEM

KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing,

complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (14/4.12)

		Cum					
	Roft						
	Ch 0.00 to 13.50 mtr		1	13.50	2.50	0.40	13.50
	Ch 13.50 to 19.00 mtr		1	5.50	2.30	0.40	5.06
	Ch 19.00 to 25.70 mtr		1	6.70	2.50	0.40	6.70
	Ch 25.70 to 37.35 mtr		1	11.65	2.70	0.40	12.58

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division Bangalore-73

	CH 37.55 to 48.3 mtr		1	10.95	2.50	0.40	11.82
	Old connection						
			1	6.20	1.10	0.35	2.38
	North connection						
			1	6.80	1.30	0.30	2.65
						Qty	54.69

Assistant Engineer
W-14

Assistant Executive Engineer
Dasrahalli

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (D):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	For deck slab							
	12	1	26	2.40	62.40	Main rod bottom	0.89	55.54
	12	1	13	2.40	31.20	Main rod top	0.89	27.77
	10	1	14	3.70	51.80	Distribution Bar	0.61	31.60
	10	1	9	1.20	10.80	Chair	0.61	6.59
							Qty	121.49
							Tonne	0.12

18/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge.						
	Particulars of Item	**Unit**	**No.s**	**L**	**B**	**D**	**Qty**
		Cum					
	Ramp		2	8.20	1.00	0.25	4.10
	3 rd Cross road		1	7.60	1.00	0.25	1.90
	Basavaraj house		1	7.60	0.75	0.25	1.43
			1	6.60	0.50	0.25	0.83
	Right side		2	5.50	0.90	0.25	2.48
	4 th cross		1	0.70	1.40	0.25	0.25
	Gowda house					Qty	10.97
9 EIRL ITEM	KSRB 12-4 : Providing and laying in position plain cement concrete of M - 7.5 using 40mm and down size graded granite / trap metal for surrounded encasing internal diameter stoneware pipes, concrete machine mixed well compacted including cost of materials, labour charges, form work, HOM curing complete as per specifications. Specification No. KBS 4.1 / 4.2 300mm P73/11.32						
		Mtr					
	For diversion of sanitory water		1	6.00			6.00
			1	4.00			4.00
						Qty	10.00

19/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-2	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification complete as per specification with all lead and lift and as per the directions of the Engineer incharge						
	Particulars of Item	**Unit**	**No.s**	**L**	**B**	**D**	**Qty**
	Kerb bed	**Cum**					
	3rd cross road		1	26.40	0.30	0.15	1.19
	4rd cross road		1	10.20	0.30	0.15	0.46
	Manjunatha nagara main road from Anganawadi towards North Left side		1	30.00	0.30	0.15	1.35
			1	13.50	0.30	0.15	0.61
			1	10.70	0.30	0.15	0.48
			1	16.70	0.30	0.15	0.75
			1	9.90	0.30	0.15	0.45
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	0.30	0.15	0.87
			1	9.40	0.30	0.15	0.42
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	21.00	0.30	0.15	0.95
	6 th cross						
	South side		1	30.00	0.30	0.15	1.35
	North side		1	25.50	0.30	0.15	1.15
	Manjunatha nagara main road from Anganawadi towards North Left side		1	11.20	0.30	0.15	0.50
	6 th cross						
	Opposite temple		1	4.00	0.30	0.15	0.18
	Opposite temple south side		1	4.80	0.30	0.15	0.22
	Opposite temple North side		1	11.20	0.30	0.15	0.50
	Ramp						
	3 rd Cross road		2	8.20	1.00	0.10	1.64
	Basavaraj house		1	7.60	1.00	0.10	0.76
			1	7.60	0.75	0.10	0.57
	Right side		1	6.60	0.50	0.10	0.33
	4 th cross		2	5.50	0.90	0.10	0.99
						Qty	15.71
8 EIRL ITEM	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. P7/2.12						
	In front of Dananjaya house		1	8.80	3.60	(1.35+1.15+.9)	35.80
				15% settlement			5.37
						Qty	30.43

20/09/24

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on (F):

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding In Bagalagunte ward no 14

BOQ-5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.

SL No.	Dia of Bar (mm)	Sides	Nos	Cut Length in (M)	Length in (M)	DESCRIPTION	Weight of bar / Mtr	Weight in Kgs
	0.00 to 3.80mtr							
	12	1	38	2.40	91.20	Main rod bottom	0.89	81.17
	12	1	19	2.40	45.60	Main rod top	0.89	40.58
	12	2	19	1.00	38.00	Top extra bar	0.89	33.82
	10	2	17	3.80	129.20	Distribution Bar	0.61	78.81
	12	1	9	1.20	10.80	Chair	0.89	0.89
	3.80 to 4.45mtr							
	12	1	7	2.40	16.80	Main rod bottom	0.89	14.95
	12	1	7	2.40	16.80	Main rod top	0.89	14.95
	10	1	20	2.00	40.00	Stirrup	0.61	24.40
	12	1	4	1.20	4.80	Chair	0.89	0.89
	4.45 to 13.30 mtr							
	12	1	85	2.40	204.00	Main rod bottom	0.89	181.56
	12	1	43	2.40	103.20	Main rod top	0.89	91.85
	12	2	49	1.00	98.00	Top extra bar	0.89	87.22
	10	2	18	8.50	306.00	Distribution Bar	0.61	186.66
	12	1	24	1.20	28.80	Chair	0.89	0.89
	13.30 to 14.15 mtr							
	12	1	7	2.50	17.50	Main rod bottom	0.89	15.58
	12	1	7	2.50	17.50	Main rod top	0.89	15.58
	10	1	21	2.00	42.00	Stirrup	0.61	25.62
	12	1	4	1.20	4.80	Chair	0.89	0.89
	14.15 to 26.35 mtr							
	12	1	123	2.60	319.80	Main rod bottom	0.89	284.62
	12	1	62	2.60	161.20	Main rod top	0.89	143.47
	12	2	62	1.00	124.00	Top extra bar	0.89	110.36
	10	2	18	12.20	439.20	Distribution Bar	0.61	267.91
	12	1	39	1.20	46.80	Chair	0.89	0.89
	26.35 to 27.00 mtr							
	12	1	7	2.70	18.90	Main rod bottom	0.89	16.82
	12	1	7	2.70	18.90	Main rod top	0.89	16.82
	10	1	22	2.00	44.00	Stirrup	0.61	26.84
	12	1	4	1.20	4.80	Chair	0.89	0.89
	27.00 37.35mtr							
	12	1	102	2.70	275.40	Main rod bottom	0.89	245.11
	12	1	53	2.70	143.10	Main rod top	0.89	127.36
	12	2	53	1.00	106.00	Top extra bar	0.89	94.34
	10	2	18	10.35	372.60	Distribution Bar	0.61	227.29
	12	1	33	1.20	39.60	Chair	0.89	0.89

37.35 to 38.00 mtr								
12	1	7	2.70	18.90	Main rod bottom		0.89	16.82
12	1	7	2.70	18.90	Main rod top		0.89	16.82
10	1	22	2.00	44.00	Stirrup		0.61	26.84
12	1	4	1.20	4.80	Chair		0.89	0.89
38.00 to 47.45								
12	1	95	2.70	256.50	Main rod bottom		0.89	228.29
12	1	48	2.70	129.60	Main rod top		0.89	115.34
12	2	47	1.00	94.00	Top extra bar		0.89	83.66
10	2	18	9.45	340.20	Distribution Bar		0.61	207.52
12	1	32	1.20	38.40	Chair		0.89	0.89
47.45 to 48.10 mtr								
12	1	7	2.70	18.90	Main rod bottom		0.89	16.82
12	1	7	2.70	18.90	Main rod top		0.89	16.82
10	1	22	2.00	44.00	Stirrup		0.61	26.84
12	1	4	1.20	4.80	Chair		0.89	0.89
48.10 to 48.95 mtr								
12	1	9	2.70	24.30	Main rod bottom		0.89	21.63
12	1	9	2.70	24.30	Main rod top		0.89	21.63
10	1	22	2.50	55.00	Stirrup		0.61	33.55
12	1	4	1.20	4.80	Chair		0.89	0.89
						Qty		3296.05
						Tonne		3.30

22/09/21

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

6 EIRL ITEM	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (14/4.12)

S No	Particulars of item	Unit	No.s	L	B	D	Qty
	Top slab						
			1	3.80	2.10	0.35	2.79
			1	0.65	2.10	0.35	0.47
			1	8.85	2.20	0.35	6.81
			1	0.65	2.30	0.35	0.52
			1	12.20	2.30	0.35	9.82
			1	0.65	2.40	0.35	0.54
			1	10.35	2.40	0.35	8.69
			1	0.65	2.35	0.35	0.53
			1	9.45	2.40	0.35	7.93
			1	0.65	2.35	0.35	0.53
	Pole		1	0.85	2.35	0.35	0.69
	Deduct opening		1	0.50	0.60	0.90	0.27
			-1	1.20	0.38	1.20	-0.55
			-3	0.60	0.38	1.20	-0.82
						Qty	38.22

4 EIRL ITEM	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 (7/2.15)

S No	Particulars of item	Unit	No.s	L	B	D	Qty
		Cum					
	In front of Dananjaya house		1	8.80	3.10	0.45	12.27
						Qty	12.27

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Premeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

7 EIRL ITEM	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.						
S No	Particulars of Item	Unit	No.s	L	B	D	Qty
		Sqm					
	Roft						
	Ch 0.00 to 13.50 mtr		2	13.50		0.45	12.15
			2	2.50		0.45	2.25
	Ch 13.50 to 19.00 mtr		2	5.50		0.45	4.95
			1	2.30		0.45	1.03
	Ch 19.00 to 25.70 mtr		2	6.70		0.45	6.03
			2	2.50		0.45	2.25
	Ch 25.70 to 37.35 mtr		1	11.65		0.45	5.24
			1	2.70		0.45	1.21
	Cn 37.35 to 48.3 mtr		1	10.95		0.45	4.92
			1	2.70		0.45	1.21
	Wall						
	Ch 0.00 to 13.50 mtr		4	13.50		2.10	113.40
	Ch 13.50 to 19.00 mtr		4	5.50		2.10	46.20
	Ch 19.00 to 25.70 mtr		4	6.70		2.10	56.28
	Ch 25.70 to 37.35 mtr		4	11.65		2.10	97.86
	Ch 37.35 to 48.3 mtr		4	10.95		2.10	91.98
			2	1.20		2.10	5.04
			4	1.80		2.10	15.12
	Deck slab						
			1	3.80	1.50		5.70
			2	5.90		0.45	5.31
			1	0.65	1.50		0.97
			2	2.75		0.45	2.47
			1	8.85	1.50		13.27
			2	11.05		0.45	9.94
			1	0.65	1.50		0.97
			2	2.95		0.45	2.65
			1	12.20	1.60		19.52
			2	14.50		0.45	13.05
			1	0.65	1.60		1.04
			2	3.05		0.45	2.74
			1	10.35	1.80		18.63
			2	12.75		0.45	11.47
			1	0.65	1.80		1.17
			2	3.00		0.45	2.70
			1	0.85	1.80		1.53
			2	3.20		0.45	2.88
	End connection						
			1	6.20		0.30	1.86
			2	6.20		1.20	14.88
	North connection						
			2	6.80		0.30	4.08
			2	6.80		1.60	21.76
	Pole		4	0.60		0.90	2.16
						Qty	627.87

24/09/24

Assistant Engineer
W-14

24/09/2024

Assistant Executive Engineer
Dasarahalli Sub Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

Remeasurement recorded on

Contruction of CC drain from Marmma devi temple surrounding and construction of CC drain at Dhananjaya house in Manjunatha Nagara Govt Higher primary school Surrounding in Bagalagunte ward no 14

BOQ-3

Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & botton thickness 15cm complete as per specification with all lead and lift and as per the directions of the Engineer incharge

S No	Particulars of item	Unit	No.s	L	B	D	Qty
	Side wall	Cum					
	New drain						
	3rd cross road		2	26.40	0.15	0.60	4.75
			1	15.00	0.15	0.40	0.90
	4rd cross road		2	10.20	0.15	0.60	1.84
	Manjunatha nagara main road from Anganawadi towards North Left side		2	30.00	0.15	0.65	5.85
			2	13.50	0.15	0.65	2.63
			2	10.70	0.15	0.65	2.09
			1	10.70	0.15	0.30	0.48
			2	16.70	0.15	0.60	3.01
			1	16.70	0.08	0.60	0.75
			2	9.90	0.15	0.65	1.93
	Manjunatha nagara main road from Anganawadi towards North Right side		2	19.30	0.15	0.70	4.05
			1	19.30	0.10	0.70	1.35
			2	9.40	0.15	0.50	1.41
			2	9.40	0.10	0.50	0.94
	Manjunatha nagara main road from Anganawadi towards North Right side End		1	16.00	0.30	1.00	4.80
			1	5.00	0.30	0.75	1.13
			1	16.00	0.15	1.00	2.40
			1	6.00	0.15	0.75	0.68
	6 th cross						
	South side		1	30.00	0.20	0.40	2.40
	North side		1	25.50	0.30	0.40	3.06
	South side		1	30.00	0.15	0.40	1.80
	North side		1	25.50	0.15	0.40	1.53
	For bed correction						
	South side		1	30.00	0.60	0.15	2.70
	North side		1	25.50	0.60	0.15	2.30
	Manjunatha nagara main road from Anganawadi towards North Left side End		2	11.20	0.15	0.30	1.01
	Bed correction		1	11.20	0.60	0.15	1.01
	Dananjaiah house connecting drain bed		1	7.50	0.60	0.15	0.68
	Dananjaiah house connecting drain wall		2	7.50	0.25	0.45	1.69
	Opposite temple						
	Opposite temple south side		2	4.80	0.20	0.40	0.77
	Opposite temple North side		2	11.20	0.20	0.40	1.79
	For bed correction						
	Opposite temple south side		1	4.80	0.60	0.15	0.43
	Opposite temple North side		1	11.20	0.60	0.15	1.01
	For Culvert						
	3 rd Cross road		2	8.20	0.38	0.60	3.69
	Dananjaya house		2	3.75	0.38	1.20	3.38
	Basavaraj house		2	7.60	0.38	0.60	3.42
	Right side		2	6.60	0.38	0.90	4.46
	4 th cross		2	5.50	0.38	0.60	2.48
	5 th cross		2	6.90	0.60	1.50	12.42
	5 th cross Deck slab		2	1.20	2.20	0.30	1.58

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division Bangalore-73

28/09/2020

			2	2.35	2.20	0.30	3.10
			2	3.15	2.20	0.30	4.16
	Ramp		-1	1.50	3.15	0.30	-1.42
	3 rd Cross road						
	Basavaraj house		2	8.20	1.00	0.20	3.28
			1	7.60	1.00	0.20	1.52
	Right side		1	7.60	0.75	0.18	1.00
	4 th cross		1	6.60	0.50	0.18	0.59
	Gowda house		2	5.00	0.99	0.20	1.80
	Kerb bed		1	0.70	1.40	0.25	0.25
	3rd cross road						
	4rd cross road		1	26.40	0.15	0.08	0.30
	Manjunatha nagara main road from Anganawadi towards North Left side		1	10.20	0.15	0.08	0.11
			1	30.00	0.15	0.08	0.34
			1	13.50	0.15	0.10	0.20
			1	10.70	0.15	0.10	0.16
			1	16.70	0.15	0.10	0.25
			1	9.90	0.15	0.10	0.15
	Manjunatha nagara main road from Anganawadi towards North Right side		1	19.30	0.15	0.10	0.29
			1	9.40	0.15	0.10	0.14
			1	21.00	0.15	0.10	0.32
			1	30.00	0.20	0.10	0.60
			1	25.50	0.20	0.10	0.51
	Manjunatha nagara main road from Anganawadi towards North Left side End		1	11.20	0.20	0.10	0.22
	6 th cross					0.10	
	Opposite temple		1	4.00	0.20	0.10	0.08
	Opposite temple south side		1	4.80	0.20	0.10	0.10
	Opposite temple North side		1	11.20	0.20	0.10	0.22
						Qty	112.83

Assistant Engineer
W-14

Assistant Executive Engineer
Dasarahalli Sub-Division